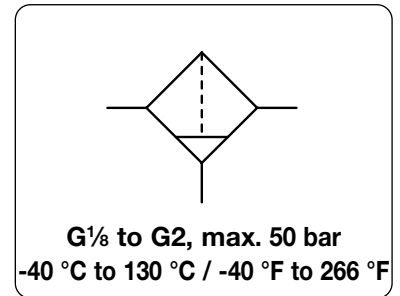


COMPRESSED AIR FILTER MADE OF BRASS, UP TO 50 BAR

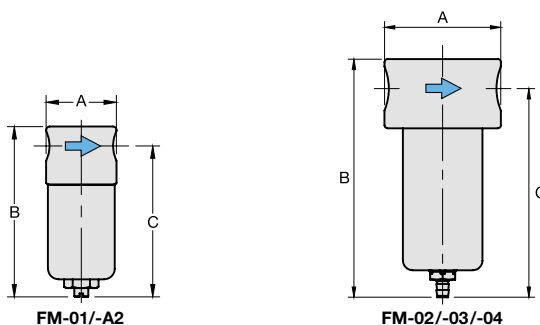
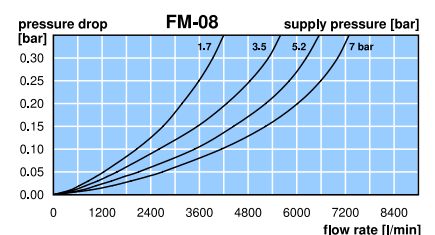
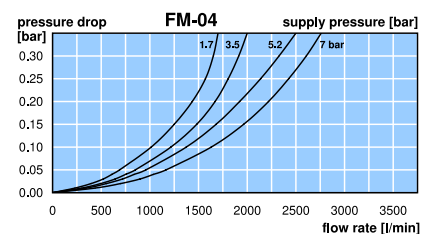
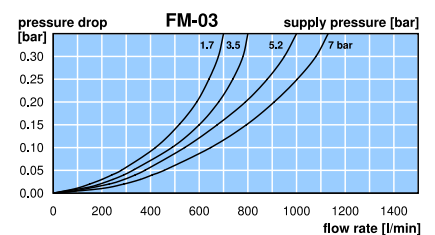
FM

| | | |
|---------------------------|---|---|
| Description | Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids. | |
| Filter element | 50 µm, optionally 5 µm, made of stainless steel | Bowl stainless steel version without sight glass |
| Drainage | screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar) | |
| Operating pressure | max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar) | |
| Temperature range | 0 °C to 80 °C / 32 °F to 140 °F, for FKM or EPDM, 0 °C to 130 °C / 32 °F to 266 °F, for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F | |
| Material | Body: brass Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2 Elastomer: FKM, optionally EPDM Inner valve: brass and plastic (not at high temperature version) | |



| Dimensions | | | Bowl | Flow | Supply | Filter | Connection | Order |
|------------|----|----|---------|----------|---------------------|---------|------------|--------|
| A | B | C | Design | Capacity | rate | element | thread | number |
| mm | mm | mm | made of | l | m ³ /h*1 | l/min*1 | µm | G |

| Brass filter | | | with screw plug, operating pressure max. 50 bar, 50 µm | | | | FM | | |
|--------------|-----|-----|--|------|------|-------|------|-------------------------------|--|
| 40 | 92 | 81 | brass | 0.03 | 45 | 750 | 50 | G ¹ / ₈ | FM-01 FM-01G |
| 40 | 92 | 81 | brass | 0.03 | 45 | 750 | 50 | G ¹ / ₄ | FM-A2 FM-A2G |
| 64 | 140 | 125 | stainless steel | 0.14 | 54 | 900 | 50 | G ¹ / ₄ | FM-02 FM-02G FM-02I |
| 64 | 149 | 133 | | | | | 0.01 | | |
| 64 | 140 | 125 | stainless steel | 0.14 | 60 | 1000 | 50 | G ³ / ₈ | FM-03 FM-03G FM-03I |
| 64 | 149 | 133 | | | | | 0.01 | | |
| 79 | 150 | 130 | stainless steel | 0.20 | 150 | 2500 | 50 | G ¹ / ₂ | FM-04 FM-04G FM-04I |
| 79 | 158 | 138 | | | | | 0.01 | | |
| 136 | 194 | 167 | stainless steel | 0.50 | 432 | 7200 | 50 | G ³ / ₄ | FM-06 FM-06G FM-06I |
| 136 | 194 | 167 | stainless steel | 0.50 | 432 | 7200 | 50 | G1 | FM-08 FM-08G FM-08I |
| 247 | 194 | 167 | stainless steel | 0.50 | 432 | 7200 | 50 | G ¹ / ₄ | FM-10 FM-10G FM-10I |
| 247 | 194 | 167 | stainless steel | 0.50 | 432 | 7200 | 50 | G ¹ / ₂ | FM-1A FM-1AG FM-1AI |
| 174 | 248 | 213 | stainless steel | 1.00 | 1380 | 23000 | 50 | G ¹ / ₂ | FM-12 FM-12G |
| 174 | 248 | 213 | stainless steel | 1.00 | 1380 | 23000 | 50 | G2 | FM-16 FM-16G |



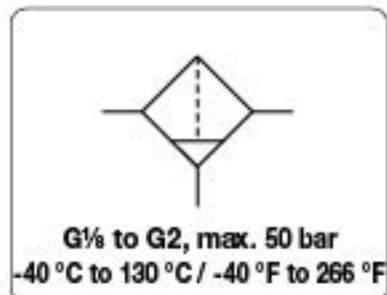
*1 at 7 bar operating pressure and 0.33 bar pressure drop

Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net

Order example:
FM-01

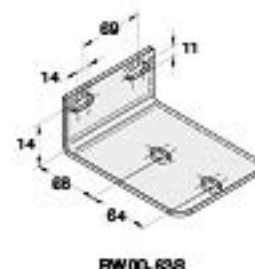
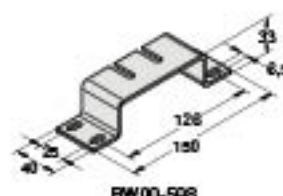
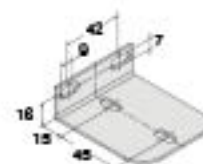
| | |
|---------------------------|---|
| Description | Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids. |
| Filter element | 50 µm, optionally 5 µm, made of stainless steel Bowl stainless steel version without sight glass |
| Drainage | screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar) |
| Operating pressure | max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar) |
| Temperature range | 0 °C to 80 °C / 32 °F to 140 °F, for FKM or EPDM, 0 °C to 130 °C / 32 °F to 266 °F, for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F |
| Material | Body: brass Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/A2 Elastomer: FKM, optionally EPDM Inner valve: brass and plastic (not at high temperature version) |



| Dimensions | | | Bowl | Flow | Supply | Filter | Connection | Order |
|------------|----|----|---------|----------|---------------------|---------|------------|--------|
| A | B | C | Design | Capacity | rate | element | thread | number |
| mm | mm | mm | made of | l | m ³ /h*1 | l/min*1 | G | |

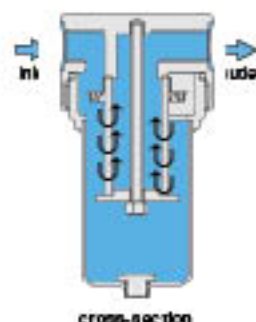
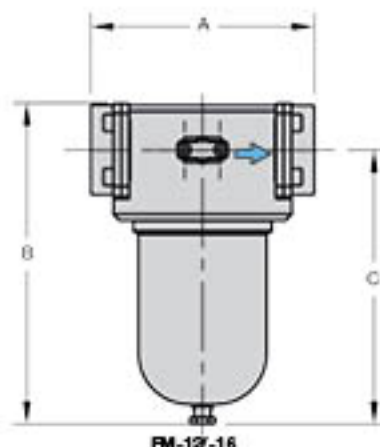
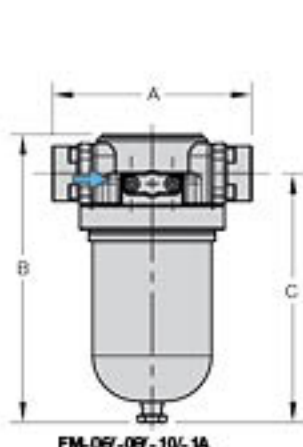
Special options, add the appropriate letter

| | | | |
|-------------------|---|--------------------------------|----------|
| NPT | connection thread | | FM-..N |
| P1: max. 80 bar | | for G $\frac{1}{4}$ (02) | FM-..X48 |
| down to -40 °C | low temperature version | | FM-..X51 |
| up to 130 °C | high temperature version | | FM-..X54 |
| manual drain | max. 30 bar | | FM-..H |
| automatic drain | made of SST, max. 16 bar | for G $\frac{1}{4}$ (02) | FM-..R |
| EPDM-elastomer | | | FM-..E |
| carbon dioxide | CO ₂ | | FM-..03 |
| argon | Ar | | FM-..05 |
| nitrogen | N ₂ | | FM-..07 |
| helium | He | | FM-..09 |
| hydrogen | H ₂ | | FM-..11 |
| methane | CH ₄ | | FM-..13 |
| oxygen | O ₂ | | FM-..15 |
| propane | C ₃ H ₈ | | FM-..16 |
| nitrous oxide | N ₂ O | | FM-..17 |
| for water | 50 µm only | for G $\frac{1}{4}$ (02) to G2 | FM-..W |
| flange connection | see chapter for stainless steel devices / flanges | | FM-..F. |



Accessories, enclosed

| | | | |
|------------------|-------------------------|--|----------------------|
| mounting bracket | made of stainless steel | for G $\frac{1}{4}$ (02) and G $\frac{3}{8}$ for G $\frac{1}{2}$ | BW00-17S BW00-18S |
| set of brackets | made of stainless steel | for G $\frac{1}{4}$ to G1 $\frac{1}{2}$ (1A) for G1 $\frac{1}{2}$ (12) and G2 | BW00-19S BW00-63S |



*1 at 7 bar operating pressure and 0.35 bar pressure drop

